

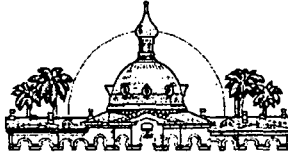
HILLSBOROUGH COUNTY

Florida

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September 28, 1995

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RECEIVED
OCT 10 1995

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Ms. Allison Amram
Department of Environmental Protection
Waste Management Section
3804 Coconut Palm Drive
Tampa, Fl. 33619 8318

RE: Permit #S029-158504 - Southeast County Sanitary Landfill

Dear Ms. Amram:

Enclosed are the results of the routine water quality monitoring of the Southeast Landfill, for the period of August 1, 1995 through October 31, 1995 in accordance with Permit No. S029-158504. Samples were collected by the Department of Solid Waste in August, 1995 and analyzed by Post, Buckley, Schuh and Jernigan, Inc.

A map showing site locations and a summary chart are also enclosed.

If you have any questions or comments on this information, please call me at 276-2920.

Sincerely,

James G. Clayton

James G. Clayton,
Environmental Supervisor
Department of Solid Waste

Enclosures

xc: Chongman Lee, Department of Environmental Protection
Paul Schipfer, EPC
Matt Mathews, Department of Solid Waste
Irene Barnes, Southeast Hillsborough Civic Association
Thomas G. Smith, Department of Solid Waste, w/o enclosures
Greg Walk, General Manager Southeast Landfill
Sheree Henninger, Waste Management Southeast Landfill
Sarah Hill, Department of Solid Waste

*gating
Surface water
file*

Facility GMS #: 4029C30075

Sample Date/Time: 8/7/95 9:15:00 AM

Test Site ID #:

Report Period: 95/3

Well Name: SURF SITE 1A-1E COMP

950810403


Well Purged (Y/N): NA

Classification of Ground Water: G II

Well Type: Background

Ground Water Elevation (NGVD): NA

Intermediate

Depth to Water (ft.): 

Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
95	CONDUCTIVITY	GRAB	N	EPA120.1	191.3 umhos/cm	10 umhos/cm
403	pH	GRAB	N	EPA150.1	7.8 pH UNITS	.1 pH UNITS
406	pH IN FIELD	GRAB	N	EPA150.1	6.99 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	96 mg/l	* mg/l
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	29.2 oC	Fld oC
82079	TURBIDITY	GRAB	N	EPA180.1	7.8 ntu	.1 ntu
1045	IRON-ICP METHOD	GRAB	N	EPA200.7	210 ug/l	20 ug/l
410	TOTAL ALKALINITY	GRAB	N	EPA310.1	54 mg/l CaCO3	1 mg/l CaCO3
940	CHLORIDE	GRAB	N	EPA325.2	18.3 mg/l	.5 mg/l
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	3.57 mg/l as N	.1 mg/l as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	< .01 mg/l as N	.01 mg/l as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	3.57 mg/l as N	.1 mg/l as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	6.45 mg/liter	Fld mg/liter
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	3.29 mg/l as P	.02 mg/l as P
945	SULFATE	GRAB	N	EPA375.4	2.84 mg/l	1 mg/l
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	5 mg/liter	1 mg/liter
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	69 mg/l	1 mg/l
556	GREASE & OIL	GRAB	N	EPA413.1	< 5 mg/l	5 mg/l
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	22 mg/l as C	1 mg/l as C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	199 coc units	Fld coc units

turbidity values entered for lab pH.

Facility GMS #: 4029C30075

Sample Date/Time: 8/7/95 9:47:00 Am

Test Site ID #:

Report Period: 95/3

Well Name: SURF SITE 2

950810404

Well Purged (Y/N): NA

Classification of Ground Water: G II

- Well Type:
- Background
 - Intermediate
 - Compliance
 - Other

Ground Water Elevation (NGVD): **NA**

Depth to Water (ft.): **↓**

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
95	CONDUCTIVITY	GRAB	N	EPA120.1	102 umhos/cm	10 umhos/cm
403	pH	GRAB	N	EPA150.1	1.09 pH UNITS	.1 pH UNITS
406	pH IN FIELD	GRAB	N	EPA150.1	4.39 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	140 mg/l	* mg/l
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	28.2 oC	Fld oC
82079	TURBIDITY	GRAB	N	EPA180.1	1.09 ntu	.1 ntu
1045	IRON-ICP METHOD	GRAB	N	EPA200.7	530 ug/l	20 ug/l
410	TOTAL ALKALINITY	GRAB	N	EPA310.1	< 1 mg/l CaCO3	1 mg/l CaCO3
940	CHLORIDE	GRAB	N	EPA325.2	18.6 mg/l	.5 mg/l
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	3.2 mg/l as N	.1 mg/l as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	< .01 mg/l as N	.01 mg/l as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	3.2 mg/l as N	.1 mg/l as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	<u>3.44</u> mg/liter	Fld mg/liter
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	1.42 mg/l as P	.02 mg/l as P
945	SULFATE	GRAB	N	EPA375.4	5.31 mg/l	1 mg/l
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	5 mg/liter	1 mg/liter
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	178 mg/l	1 mg/l
556	GREASE & OIL	GRAB	N	EPA413.1	< 5 mg/l	5 mg/l
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	73.5 mg/l as C	1 mg/l as C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	109 coc units	Fld coc units

Facility GMS #: 4029C30075

Sample Date/Time: 8/7/95 9:55:00 Am

Test Site ID #:

Report Period: 95/3

Well Name: SURF SITE 3A

950810401

Well Purged (Y/N): NA

Classification of Ground Water: G II

- Well Type:
- Background
 - Intermediate
 - Compliance
 - Other

Ground Water Elevation (NGVD): *NA*

Depth to Water (ft.): *↓*

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
95	CONDUCTIVITY	GRAB	N	EPA120.1	298 umhos/cm	10 umhos/cm
403	pH	GRAB	N	EPA150.1	1.34 pH UNITS	.1 pH UNITS
406	pH IN FIELD	GRAB	N	EPA150.1	5.65 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	148 mg/l	* mg/l
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	26.3 oC	Fld oC
82079	TURBIDITY	GRAB	N	EPA180.1	1.34 ntu	.1 ntu
1045	IRON-ICP METHOD	GRAB	N	EPA200.7	190 ug/l	20 ug/l
410	TOTAL ALKALINITY	GRAB	N	EPA310.1	20.8 mg/l CaCO3	1 mg/l CaCO3
940	CHLORIDE	GRAB	N	EPA325.2	35 mg/l	.5 mg/l
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	.7 mg/l as N	.1 mg/l as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	1.85 mg/l as N	.01 mg/l as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	2.55 mg/l as N	.1 mg/l as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	<u>3.94</u> mg/liter	Fld mg/liter
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	.05 mg/l as P	.02 mg/l as P
945	SULFATE	GRAB	N	EPA375.4	55.3 mg/l	1 mg/l
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	1 mg/liter	1 mg/liter
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	23 mg/l	1 mg/l
556	GREASE & OIL	GRAB	N	EPA413.1	< 5 mg/l	5 mg/l
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	9.33 mg/l as C	1 mg/l as C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	314 coc units	Fld coc units

Facility GMS #: 4029C30075

Sample Date/Time: 8/7/95 9:55:00 AM

Test Site ID #:

Report Period: 95/3

Well Name: SURF SITE 3A DUP

950810402

Well Purged (Y/N): NA

Classification of Ground Water: G II

- Well Type:
- Background
 - Intermediate
 - Compliance
 - Other

Ground Water Elevation (NGVD): NA

Depth to Water (ft.):

NA
↓

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
95	CONDUCTIVITY	GRAB	N	EPA120.1	301 umhos/cm	10 umhos/cm
403	pH	GRAB	N	EPA150.1	1.34 pH UNITS	.1 pH UNITS
406	pH IN FIELD	GRAB	N	EPA150.1	5.65 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	120 mg/l	* mg/l
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	26.3 oC	Fld oC
82079	TURBIDITY	GRAB	N	EPA180.1	1.34 ntu	.1 ntu
1045	IRON-ICP METHOD	GRAB	N	EPA200.7	50 ug/l	20 ug/l
410	TOTAL ALKALINITY	GRAB	N	EPA310.1	20.5 mg/l CaCO3	1 mg/l CaCO3
940	CHLORIDE	GRAB	N	EPA325.2	34.6 mg/l	.5 mg/l
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	1.18 mg/l as N	.1 mg/l as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	1.8 mg/l as N	.01 mg/l as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	2.98 mg/l as N	.1 mg/l as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	3.94 mg/liter	Fld mg/liter
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	.07 mg/l as P	.02 mg/l as P
945	SULFATE	GRAB	N	EPA375.4	55.3 mg/l	1 mg/l
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	2 mg/liter	1 mg/liter
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	25 mg/l	1 mg/l
556	GREASE & OIL	GRAB	N	EPA413.1	< 5 mg/l	5 mg/l
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	9.27 mg/l as C	1 mg/l as C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	314 coc units	Fld coc units

Facility GMS #: 4029C30075

Sample Date/Time: 8/7/95 9:35:00 AM

Test Site ID #:

Report Period: 95/3

Well Name: SURF SITE 3B2B

950810405

Well Purged (Y/N): NA

Classification of Ground Water: G II

Well Type: Background

Ground Water Elevation (NGVD): NA

Intermediate

Depth to Water (ft.):



Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
95	CONDUCTIVITY	GRAB	N	EPA120.1	271 umhos/cm	10 umhos/cm
403	pH	GRAB	N	EPA150.1	1.18 pH UNITS	.1 pH UNITS
406	pH IN FIELD	GRAB	N	EPA150.1	6.21 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	120 mg/l	* mg/l
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	25.6 oC	Fld oC
82079	TURBIDITY	GRAB	N	EPA180.1	1.18 ntu	.1 ntu
1045	IRON-ICP METHOD	GRAB	N	EPA200.7	270 ug/l	20 ug/l
410	TOTAL ALKALINITY	GRAB	N	EPA310.1	23.8 mg/l CaCO3	1 mg/l CaCO3
940	CHLORIDE	GRAB	N	EPA325.2	34.5 mg/l	.5 mg/l
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	1.45 mg/l as N	.1 mg/l as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	1.01 mg/l as N	.01 mg/l as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	2.46 mg/l as N	.1 mg/l as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	<u>4.72</u> mg/liter	Fld mg/liter
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	.23 mg/l as P	.02 mg/l as P
945	SULFATE	GRAB	N	EPA375.4	46.8 mg/l	1 mg/l
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	< 1 mg/liter	1 mg/liter
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	21 mg/l	1 mg/l
556	GREASE & OIL	GRAB	N	EPA413.1	< 5 mg/l	5 mg/l
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	11.2 mg/l as C	1 mg/l as C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	292 coc units	Fld coc units

Facility GMS #: 4029C30075

Sample Date/Time: 8/7/95 9:27:00 AM

Test Site ID #:

Report Period: 95/3

Well Name: SURF SITE 3C2

950810406

Well Purged (Y/N): NA

Classification of Ground Water: G II

Well Type: Background

Ground Water Elevation (NGVD): *N/A*

Intermediate

Depth to Water (ft.): *↓*

Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
95	CONDUCTIVITY	GRAB	N	EPA120.1	232 umhos/cm	10 umhos/cm
403	pH	GRAB	N	EPA150.1	2.44 pH UNITS	.1 pH UNITS
406	pH IN FIELD	GRAB	N	EPA150.1	6.33 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	128 mg/l	* mg/l
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	26.4 oC	Fld oC
82079	TURBIDITY	GRAB	N	EPA180.1	2.44 ntu	.1 ntu
1045	IRON-ICP METHOD	GRAB	N	EPA200.7	470 ug/l	20 ug/l
410	TOTAL ALKALINITY	GRAB	N	EPA310.1	31.8 mg/l CaCO3	1 mg/l CaCO3
940	CHLORIDE	GRAB	N	EPA325.2	26.3 mg/l	.5 mg/l
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	1.58 mg/l as N	.1 mg/l as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	9.51 mg/l as N	.01 mg/l as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	2.09 mg/l as N	.1 mg/l as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	5.06 mg/liter	Fld mg/liter
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	.85 mg/l as P	.02 mg/l as P
945	SULFATE	GRAB	N	EPA375.4	31.8 mg/l	1 mg/l
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	2 mg/liter	1 mg/liter
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	28 mg/l	1 mg/l
556	GREASE & OIL	GRAB	N	EPA413.1	< 5 mg/l	5 mg/l
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	13 mg/l as C	1 mg/l as C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	246 coc units	Fld coc units